

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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TITLE : AGENT FOR IMPROVING CEREBRAL FUNCTION

ABSTRACT : PURPOSE: To obtain a cerebral function improving agent containing phosphatidyl-L-serine originated from the brain of an animal except a cattle, capable of being massively produced at a low cost, without a problem on the aspects of the cost and supply, and capable of improving the cerebral functions.

CONSTITUTION: This improving agent contains phosphatidyl-L-serine originated from the brain of an animal (e.g. pig, sheep, chicken) except cattle or its salt as an active ingredient. The salt of the phosphatidyl-L-serine is preferably Na salt or K salt. The phosphatidyl-L-serine is obtained e.g. by extracting a swine brain or an ovine brain with acetone, filtering the filtrate, extracting the residue with petroleum ether, vacuum-drying the extract, dissolving the dried product in ethyl ether, adding ethyl alcohol to the solution to produce precipitates, dissolving the precipitates in chloroform, and subsequently purifying the solution with silica gel column chromatography.

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